

nathan j. howe **curriculum vitae**

Associate Professor of Architecture
Department Head of Interior
Architecture
and Industrial Design

College of Architecture, Planning and
Design
Kansas State University

registration Architecture License - Kansas #7589
NCARB Certificate #102375

education Master of Architecture,
The University of Texas at Austin. 2002
Terminal Project: "Iso-Vision: The
Potential of Isovist Theory within
AutoCAD"
Advisor: Michael Benedikt
Graduated: Magna Cum Laude

Bachelor of Architecture, Kansas State University – Manhattan, KS. 1997
Graduated: Cum Laude

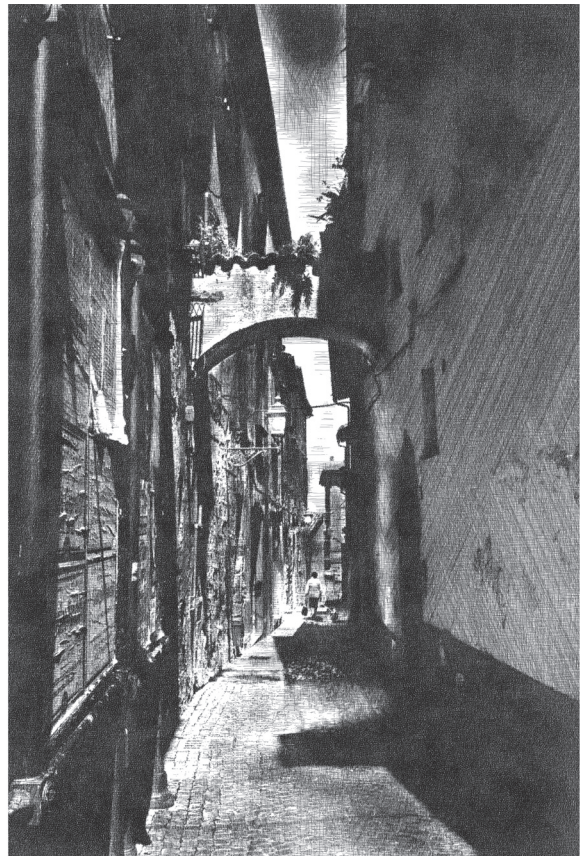
affiliations American Institute of Architects
International Interior Design Association
Assoc. Industrial Designers Society of America
Alpha Rho Chi National Architectural Society
Tau Sigma Delta National Architectural Honor Society
Phi Kappa Phi National Honor Society

administration Department Head - Kansas State University, Department of Interior Architecture and
Industrial Design (IAID) 2017 - present

teaching Associate Professor - Kansas State University, Department of IAID, Fall 2017 – present
Assistant Professor - Kansas State University, Department of Architecture, Fall 2008 – 2014

Visiting Professor - Kansas State University, Department of Architecture, 1998-2000, 2005 – 2008
Adjunct Professor - The University of Nebraska at Lincoln, College of Architecture, Fall 2002 – 2003
Graduate Teaching Assistant - The University of Texas at Austin, School of Architecture, 2001 – 2002

practice Nighthawk Studio – Eskridge, KS, Owner, 2005 - present
Wave Studios – Lincoln, Nebraska, Owner, 2004 - 2005
Danze & Blood Architects (D&B) – Austin, Texas, Project Manager, 2001 - 2002
The Lawrence Group Architects (TLG) – Austin, Texas, Project Manager, Summer of 2001
Horst, Terrill & Karst Architects P.A. (HTK) – Topeka, Kansas, Intern Architect, 1997 – 2000



¹ *Orvieto Street* - 24x36 ink drawing - Juror's Choice in Design Communication Association
Juried Exhibit 20-21

selected administration accomplishments & initiatives **Established alternative funding sources**

Strategic Funding Investment - Internal Grant
\$100,000 granted for Fiscal Year 22-23

In this highly competitive internal grant, the IAID Department was granted funds in support of the growing Industrial Design degree.

Sloan Sponsorship 2018-2024²

\$50,000 per year for two consecutive, three-year terms

Sloan works with multiple year-levels of students on product development and research. Sloan is given first right of refusal for intellectual property of products. Negotiated agreement of sponsorship and royalties upon product pickup for department and students.

Royalties from Industrial Partners have amounted to over \$10,000 dollars each year to support student and faculty initiatives.

Established a \$15,000 Lang Lighting Design Competition to create a 3rd year award to celebrate the very best in lighting design in the Interior Architecture program. This has a three-year commitment.

Established growing stream of sponsored projects within the 5th year design curriculum. This has amounted to \$63,000 additional external dollars to support students, faculty and departmental initiatives. These sponsored projects were both internal and external of the K-State community.

Led in establishing \$76,000 in sponsored studios beyond the Sloan studio sponsorship. Most of these are multiple year agreements of \$10,000 or more.

During a university wide reduction in enrollment, the department has grown 50% over the last 5 years, from 112 to 170 students.

Curriculum

Led the faculty in creating a Master's in Industrial Design degree (5 years) with a Post Baccalaureate option (3 years).³

Maintained high national rankings, with 1st among public graduate programs and 7th among all graduate programs.

Successfully led the department through the spring 2019 CIDA accreditation visit. ⁴

Led the faculty in rethinking the Interior Architecture degree, decoupling the product design portion to make room for more integrated core course to studio structure.

Led the faculty in rethinking the furniture design sequence to establish a stronger skill set in the first two courses of the three-course sequence, while creating a stronger balance of woods and metals skills in student outcomes.

US design patent de Noble, T., Howe, N., et al. (June 16, 2020). *United States Design Patent US D887,180 S*. Washington, DC: U.S. Patent and Trademark Office.

The design patent covers innovations and ornamentation utility desk set, particularly an adjustable pinup partition and adjustable storage cover, which transitions to a functional side shelf. Led the team in creating the design and fabrication documents for the college's desk sets. 750 sets were manufactured and installed when renovation to APDesign was completed.

journal publications Howe, N., & Duarte, J. (2021). Typologies in architecture form | Understanding form complexity. *Design Communication Journal*, (2021).⁵

²From this partnership, four products have been picked up by Sloan. Two are COVID related and currently under² testing for final approval by the FDA.

³Established a new masters degree program in Industrial Design in 2019. First class scheduled to graduate in May of 2023.

international peer-reviewed proceedings and presentations Howe, N. (2021). "Creating a new Drawing Tool," 2021 Design Communication Conference, Oct., 2021 – Atlanta, GA

Howe, N. and Gedney, R. (2017). "Data-driven Age | Educating the Architects of Tomorrow", SIGraDi 2017, XXI Congreso de la Sociedad Ibero-americana de Gráfica Digital, 22 – 24, Nov. 2017 – Concepción, Chile.

Howe, N. (2016). "Symbiosis of Drawing and Modeling | Creating a Parametric Process" Design Communication Association European Conference 2016. Istanbul, Turkey. May 11-14

Howe, N. (2016). "Digital Synthesis of Parametric Art" Design Communication Association European Conference 2016. Istanbul, Turkey. May 11-14

Howe, N. (2013). "FluidScape: Research in Parametric Concrete Formwork." In proceedings of the 2013 Iberoamerican Society of Digital Graphics (SIGraDi). Departamento de Arquitectura | Universidad Técnica Federico Santa María. Valparaíso, Chile. Nov. 20-22, 2013

national peer-reviewed proceedings and presentations Howe, N. (2020). "Ribbon | exploring contemporary form," 108th ACSA Annual Meeting – Virtually. June 2020.

Howe, N. and Duarte, J. (2018). "Typologies in Architecture Form | understanding form complexity," Design Communication Association Conference Oct. 2018 - Virtual + Actual: Process and Product of Design, Cornell, NY

Howe, N. (2013). "V.E.I.L.S. | Performance-Based Case Study." In proceedings of the Building Technology Educators' Society Conference 2013 – Tectonics Of Teaching, Roger Williams University. Bristol, RI. July 12-13, 2013

Howe, N. (2012). "Parametrics: Teaching Diagrammatic Design Processes." In proceedings of the 2012 Design Communications Association Biannual National Conference: Graphic Quest - The Search for the Perfection in Design Communication. Oklahoma State University, Stillwater, OK: School of Architecture. Oct. 21-24, 2012

Howe, N. (2011). "Algorithmic Modeling: Teaching Architecture in Digital Age." In proceedings of 2011 ACADIA Regional: Parametricism: (SPC). University of Nebraska at Lincoln, Lincoln, NE. March 10-12, 2011

Howe, N. (2008). "A Studio's Multi-Exploration of the Prefabricated Dwelling." In proceedings of 2008 East Central ACSA Conference: Without a Hitch: New Directions in Prefabricated Architecture. University of Massachusetts Amherst. Amherst, MA. Sept. 25-27, 2008

Howe, N. (2012). "Digital Concrete Fabrication | concepts in parametric formwork." Project presentation at the 2012 Fall ACSA Conference: Offsite, Temple University. Philadelphia, PA. Sept. 27-29, 2012

peer-reviewed conference posters Howe, N. (2009). "Digital Fabrication - Works of Art." Presentation and poster at the 2009 Southeast ACSA Conference: Architecture is a Thing of Art. Savannah College of Art and Design. Savannah, GA. Oct. 10-12, 2009

Howe, N. and Miller, N. (2004). "Variable Component Home r1.0," ACADIA/AIA Conference: Fabrication

Howe, N. (2003). "Woven Traces: World Trade Center Memorial Competition entry." *West Regional ACSA Conference: Weaving*. Ball State University, Muncie, IN. Oct. 24-26, 2003

⁴ All 128 standards were either met or exceeded. From the team's over 30 visit experience they had never seen a program achieve this complete excellence.

⁵ Selected from conference for the 2021 Design Communication Journal

invited articles Howe, N. (2014). Musings from Italy. *APDesign Magazine*, 4(4).

Howe, N. (2011). Augmenting architecture through algorithmic modeling. *Oz Journal Augment*, 33.

competitions Howe, N. (2014). *Bali-Marine Research Centre*. [Juror's choice for top entry in Faculty Design category]. Design Communications Association Exhibit. Atlanta, Georgia.

Howe, N. (2012). *Lotus Chair: plug-in seating*. [Draw up a chair]. Battery Park Conservancy Americas Design Competition.

Howe, N., et. al. (2011). *FluidScape*. (Winning entry). 2011 Friends of Seger Park Sprayground International Competition.

Design leader of the project with the help of three other students and colleague, Sam Zeller.

Howe, N. (2010). *SpiderLace*. [Finalist in built environment category]. 2010 Powerhouse Museum



International Lace Award Competition: Love Lace, Powerhouse Museum of Science and Design, Sydney, Australia.

Chosen as finalist from over 700 entries from 33 countries. Only 18% chosen for exhibit. Entry on display from July 2011-2013.

Howe, N. (2010). *Bali-Marine Research Centre*. ARQUITECTUM sponsored competition.

Howe, N., et al. (2003). *Woven Traces*. The World Trade Center Memorial Competition.

Howe, N., et al. (March, 2003). *Design for the UNL-ARCHitecture website*. 2003 Architecture Web Site Awards. <http://archweb.unl.edu>.

Received recognition as one of the top architectural websites of 2003 by <http://www.entablature.com>.

Norheim, T., Howe, N., et.al. (2003). *Fjordlyset*. (Awarded 2003 Kansas AIA Un-built Design Award). The International Oslo Opera House Competition.

1996 Little Bighorn Native American Memorial Competition
Selected as part of a national tour promoting the memorial.

exhibitions Howe, N. (2021). *Orvieto Street*. Juried Design Communication Exhibition, 2021 Design Communication Conference, Atlanta, GA. ¹

Howe, N. (2021). *Calatrava Oculus*. Juried Design Communication Exhibition, 2021 Design Communication Conference, Atlanta, GA.

Howe, N. (2021). *Ford Museum*. Juried Design Communication Exhibition, 2021 Design Communication Conference, Atlanta, GA.

⁶ Juror's Choice in Design Communication Association Juried Exhibit 2013

Howe, N. (2021) "Orvieto Duomo," Juried Design Communication Exhibition, 2021 Design Communication Conference, Oct. 2021 – Atlanta, GA

Howe, N. (2013). "Jubilee Church," Juried Design Communication Exhibition. Atlanta, Georgia. ⁶

Howe, N. (2013). "Bali- Marine Research Centre," Juried Design Communication Exhibition. Atlanta, Georgia.

Howe, N. (2011-13). "SpiderLace" - Parametric sculpture placed on display as part of the curated exhibition of 2010 Powerhouse Museum International Lace Award Competition: Love Lace, Powerhouse Museum of Science and Design, Sydney, Australia

Howe, N. et. al. (2010). "Material Intelligence LAB", displayed at the 2010 ACADIA/AIA National Conference: Life in Formation

Howe, N. and Miller, N. (2004). "Variable Component Home r1.0" in exhibition of work at 2004 ACADIA/AIA National Conference: Fabrication

student competitive awards 2016 Frank Cortez Memorial Award winner: Developing Scholars Program
Project: Contemporary Architecture Form Taxonomy
Student: Jaasiel Duarte

Winner - 2015 Kansas AIA Student Design Competition
Project: *Crossroads Brewery*, Kansas City, MO
Student: Lanting Su

Winner - 2014 MANKO Student Design Competition
Project: *Crossroads Brewery*, Kansas City, MO
Student: Lanting Su

2013 AIA Kansas City Faculty of the Year Award

Winner - 2013 Charles Burton Design Award
Project: *timber [in] the city*, Brooklyn, NY
Student: Timothy Tse

Winner - 2012 MANKO Student Design Competition
Project: *Whole Body Center*, Kansas City, MO
Student: Huiyuan Li

Second Place - 2012 AIA Kansas Student Competition
Project: *Immaculata Chapel*, St. Marys, KS
Student: Nathan Geier

Winner - 2011 FluidScape : the Seger Park Spray Feature International Competition
team: Assist. Prof. Nathan Howe, Assist. Prof. Sam Zeller, students Ethan Rhoades, Scott Davis, Hana Havlova, Matthew Whetstone ⁷

2004 Teaching Council/Parent Association Teaching Award - UNL
Received for making a difference in a student's goals and aspirations.

2003 Teaching Council/Parent Association Teaching Award - UNL
Received for making a difference in a student's goals and aspirations.

⁷ Winner of the international competition with commission for this Philadelphia neighborhood.. Currently unbuilt.

workshops *2020 IDEC Accreditation Workshop - Tulsa, OK.*

Presented the strategies and tools we used in successfully navigating our 2019 CIDA accreditation visit.

2014 *ACADIA Regional: Parametricism: (SPC)* - University of Nebraska at Lincoln, Lincoln, NE. Introduced participants to Grasshopper, a visual scripting plug-in to Rhino, and led the group through the basic organization and deployment of the software.

2013 *Rhino Workshop and Grasshopper Introduction* - Kansas City, MO. Invited professional services to AECOM, providing Rhino training

2011 *ACADIA Regional: Parametricism: (SPC)* - University of Nebraska at Lincoln, Lincoln, NE. Introduced participants to Grasshopper, a visual scripting plug-in to Rhino, and led the group through the basic organization and deployment of the software.

external funding and grants *HOK Sponsored Studio (2016-2019)*

\$15,000 per year for a three-year term

Secured studio support in expertise from HOK wealth of connections and knowledge, along with support for student and faculty travel, publication, building materials and equipment needs.

Matching Equipment Grant (2013)

The Society of Plastics Engineers (SPE) Foundation Thermoforming Division - \$4850 matching grant
Co-writers:

Prof. Dave Richter-O'Connell, Department of Interior Architecture and Product Design

Prof. Nathan Howe, Department of Architecture

Prof. Chris Fein, Department of Architecture

Co-wrote a matching grant to acquire a plastic vacuum thermoformer. With thermoforming capability, students and professors are able to develop design skills through a tool that is directly translatable to an industrial process.

Methodist Church Accessibility Grant (2012)

\$1000 grant

Co-writers:

Sandie Jensen, United Church of Eskridge Treasurer

Prof. Nathan Howe, Department of Architecture

Advised our college's Freedom by Design Chapter in a design-build of a 120-foot ramp to improve public accessibility of a rural church. This grant, which specifically targets accessibility, partially funded this project and was instrumental as it equaled 15% of total funding for this rural church.

internal grants *University of Nebraska at Lincoln*

2004 UCARE - \$2000 Undergraduate Research Grant

UCARE is a University of Nebraska grant program which provides funds to sponsor graduate and undergraduate research with professors. Worked with a student in an ongoing study of spatial implications within a web-based environment. The student gallery within the School of Architecture's website, [http //archweb/people/student_gallery](http://archweb/people/student_gallery) was the platform used as the result of these ideas and its potential.

2003 UCARE - \$2000 Undergraduate Research Grant

Worked with a student in research on graphic design and wayfinding within publications. Used the School of Architecture's "Viewbook" as our venue for this research. Designed a new annual publication highlighting specific articles and projects created by faculty and students at our school.

architectural projects *Nighthawk Shouse Remodel (2017-2018)*

Designed the Shouse, which is a personal residence that serves as a laboratory and home.

Kansas State University College of Veterinary Medicine Library Remodel (2012-2013)

Co-designed a 10,000 sq. ft. remodel of all public, administrative and instructional areas.

United Church of Eskridge Ramp (2012)

Co-designed and project-managed the design, fabrication and construction of a 120 ft. ramp on a historic church in Eskridge, KS.

FluidScape (2011-2012)

Worked with colleague Sam Zeller for the Friends of Seger Park to develop the construction documents for the winning entry in the Seger Park Playground Sprayground Competition in Seger Park in a downtown Philadelphia, PA neighborhood.

The Guardians (2010)

Bali Marina Research Centre Competition

Designed a parametrically-driven building for the Marine Research Centre, and entered into the ARQUITECTUM sponsored competition.

SpiderLace (2010-2013)

Powerhouse Museum International Lace Award Competition

A parametrically, digitally-fabricated sculpture chosen as finalist. Entry on display in July 2011- 2013 at the Powerhouse Museum, Sydney, Australia.

reFORM Gallery (2010)

Temporary Outdoor Gallery Space

A set of inexpensive, digitally-fabricated pavilions entered into a competition sponsored by the Art Alliance Austin.

SR Bank Madla (2007)

Project Manager on a Norwegian bank remodel designed with Torgeir Norheim.

Nighthawk Shouse (shop/house) (2005-2006)

Worked as designer and contractor on the Shouse, which is a personal residence that serves as a laboratory and home.

whoMeDesign (2004)

Chief Designer - New Home on the Range Competition

This design was to be a web-delivered component house, where consumers could choose from a catalog of panels to build a house like a kit of specialized Legos.

Woven Traces (2003)

Chief Designer - World Trade Center Memorial Competition

Led a design team of two University of Nebraska students on a design for the memorial for the World Trade Center.

Eddie V's Edgewater Grill (2001)

Dining Remodel Project Manager – Austin, Texas - D&B

This 5000 sq. ft. remodel of a restaurant in Austin was designed and built on fast track from June to September. In charge of the entire project from conceptual phase to construction administration.

Duke Observatory House (2001)

Project Manager – Canyon Ridge Springs, Texas - D&B

Managed this project from concept to design development. The project was unique in that it was

designed to be a family home in the hill country of Texas with a professional observatory in the center of the home.

Great Hills Christian School Remodel (2001)

D&B Project Manager – Cedar Park, Texas

This campus of buildings were redesigned and brought up to code. Served as the project manager from schematic to construction documentation.

Back Door to the Trade Interior Remodel (2000)

TLG Project Manager – Austin, Texas

This strip mall remodel was gutted and designed to create a high-end interiors design wholesaler. Served as the project manager from schematic to construction documentation.

Fjordlyset Oslo Opera House Competition (2000)

Assistant Designer with Prof. Norheim and KSU team received Kansas AIA Un-built Design Award.

Directed the plan and section development.

Topeka and Shawnee County Library Addition and Remodel (1997-1999)

Assistant Project Manager - HTK

Assisted with the library's remodel, helping bring the project from Design Development to Construction Administration.

Renovation and Addition of Royal Valley High School (1999)

Project Manager - HTK

This 25,000 sq. ft. addition and remodel added a new library, chemistry lab and new classrooms to the Royal Valley High School. Responsible for project from conceptual phase to construction administration.

Little Bighorn Native American Memorial Competition (1996)

Assistant Designer with Profs. Condia and Ornelas as a fifth-year student. Part of touring exhibition of work.

web design *lawrencechamberorchestra.org (2008)*

Designer

Redesign of Lawrence Chamber Orchestra's official website.

ayindisa.com (2008)

Designer

Redesign of the Ayindisa website, a not-for-profit business to bring African artists' work to the United States.

tomdobbs.com (2006)

Co-Designer

Co-designer of the Barry Levenison directed movie *The Man of the Year* fictional-presidential campaign website. This website created a fictional campaign website with sound bites, campaign blog, campaign paraphernalia, etc.

upperforty.com (2006)

Co-Designer

Co-designer of upperforty.com, a website for the selling of alternative fuels.

taparch.com (2005)

Designer

An exploration of environmental and sustainable design within the web for The Architectural

Partnership architectural firm, Lincoln, NE.

archweb.unl.edu/people/alumni_gallery (2004)

Chief Designer

The alumni gallery used MySQL database technology to create an easily updated alumni gallery to more closely connect UNL's alumni with the College of Architecture.

archweb.unl.edu/happenings/student_gallery (2003)

Chief Designer

This web page researched how the web can become a manipulation of 3-D space.

UNL ARCHitecture website - archweb.unl.edu (2002)

Chief Designer

This commission was to redesign the entire University of Nebraska's College of Architecture website.

external academic service Reviewer for JID Best Paper Award (2020)

Reviewer for Shannon Criss promotion to Full Professor (2018)

ACSA 105th Annual Meeting, Paper Reviewer (2017)

Book Reviewer for Rutledge (2016)

AIA Kansas City Technology Panel (2013)

Impact of Current Architectural Technology. A 90-minute panel discussion focused on how technology does (or does not) impact the practice of architecture.

AIA Kansas Conference Technology Panel (2013)

Technology in Architecture. This session looked at the technology trends in architectural practice and architectural education.

internal academic service Successful nomination of Prof. Neal Hubbell for the 2019 Treanor HL Architects Faculty Award

Successful nomination of Prof. Katrina Lewis for the 2020 Commerce Bank Undergraduate Teaching Award

Dean Timothy de Noble 5-year Evaluation Committee, Member (2020)

APDesign EXCOM Committee, Member (2017 - present)

APDesign Desk Set Contract Committee, Member (2016-2017)

Architecture Faculty Search Committee, Member (2016-2017)

College Shop Committee, Member (2016-2018)

Department Head Matthew Knox 5-year Evaluation Committee, Member (2017)

Office of Undergraduate Research & Creative Inquiry (2016-2018)

Undergraduate Research and Travel Grants Committee, Member

New Building Task Force Committee, Member (2015-2017)

APDesign New Desk Committee, Member (2015-2016)

Faculty mentor for Assistant Professor Judy Gordon (2015-2018)

Faculty mentor for Assistant Professor Dustin Headley (2015-2016)
Design|Make Center Task Force, Member (2012-2015)
Accreditation Task Force, Member (2010-2011)
Technology and Communications Committee, Chair (2008-2016)
Laser Cutter Club, Advisor (2008-2014)
Department Head Advisory Committee (2008-2010)
Academic Affairs Committee, Member (2008-2010)
Computing Task Force, Member (2011-2012)
Architecture Department Head Search Committee, Member (2010-2011)
Sponsor/Coordinator for Prof. Jerry Stivers 2012 Visit - Oklahoma State University Big 12 Faculty Fellowship Recipient
Co-sponsor/Coordinator for Prof. Steve Hardy 2010 Visit - University of Nebraska Lincoln Big 12 Faculty Fellowship Recipient

teaching Studio, Kansas State University

ARCH 404: Architecture Design Studio 4 (Spring 2009, 2011-2014)
ARCH 605: Architecture Design Studio 5 (Fall 2005-2008, 2010-2014)
ARCH 765: Seger Park Spray Feature Competition (May 2011 Intercession)
ARCH 807: Architecture Design Studio 8 (Spring 2010, 2008, 2015-2017)
ARCH 806: Architecture Design Studio 7 (Fall 2009, 2015-2016)
ARCH 403: Architecture Design Studio 3 (Fall 2009)
DSFN 202: Environmental Design Studio 2 (Spring 2006)
ARCH 302: Architecture Design Studio 2 (Spring 2006)

Lecture, Kansas State University

IARC 310: Digital Applications (Fall 2017, 2020, 2021)
IARC 815: Advanced Programming (Fall 2018-2019)
ARCH 373: Digital Architecture 2 (Fall 2012-2015)
ARCH 374: Digital Architecture 3 (Spring 2016-2018)
Programs: Revit, Rhino, Adobe CS Suite

Seminar, Kansas State University

ARCH 715: Writing Component (Spring 2010, 2015-2017)
ARCH 805: Project Programming (Fall 2009, 2014-2016)

ARCH 710: AxiS - Web (Fall 2006-2005, Spring 2009)

ARCH 711: Digital FAB (Fall 2008-2011, Spring 2013)

ARCH 711: Algorithmic Processes (Spring 2011-2013)

ARCH 710: Rapid Prototyping (Spring 2008, 2007)

Advising, Kansas State University

Developing Scholar Program (2015-2018) Jaasiel Duarte
Research: *Contemporary Architecture Form Taxonomy*

Master Design Thesis (2015) Rebecca Roberts
Research: *National Judicial Court for Budapest, Hungary*
Major Adviser: Prof. Peter Magyar
Minor Adviser: Prof. Nathan Howe and Prof. Judy Gordon

Master of Science in Architecture Thesis (2009-2010) Aashoqullah Faryad
Research: *Strategies for Minimizing Thermal Energy Transfer in Traditional Brick Masonry Bearing Wall Construction in Kabul, Afghanistan*
Major Advisor: Prof. Donald Watts
Minor Advisors: Prof. Michael McGlynn and Prof. Nathan Howe

Studio, The University of Nebraska at Lincoln

ARCH 140 L: Visual Literacy 140 Lab – Analysis and Composition Unit (Spring 2004, 2005)

ARCH 140 L: Visual Literacy 140 Lab – Analysis and Composition Unit (Fall 2002)

ARCH 140 L: Visual Literacy 140 Lab – Perceptual Drawing Unit (Fall 2002)

ARCH 211/221: First-year Basic Design Studio and Graphic Communications (Spring 2003)
with Professors Tom Laging and Jeffery Day
Lectures: The Seeing and Architectural Rendering of Light, The Multiplicity of Walls

ARCH 410: Architecture Fourth Year Tectonic Studio (Fall 2002-2004)

Lecture, The University of Nebraska at Lincoln

ARCH 140: Visual Literacy 140 Lecture (Spring 2003-2005)
with Professors Duncan Case, Dana Fritz
Lectures: The Science, the Seeing, the Representation of Light; Traces of Time and Space; Perception of Visual Content

ARCH 223: Introduction to Computers in Architecture (Spring 2003, 2005)
Programs: AutoCAD, 3-D Viz, Photoshop, Illustrator, SketchUp

ARCH 461: Architecture Ideas – adjunct theory lecture to fourth-year studios (Spring 2004)

Seminar, The University of Nebraska at Lincoln

AxiS – Architecture and Imaginary Space (Fall 2004)
AxiS is a professional elective researching methods and ideas representing, presenting and creating imaginary space. This semester AxiS focused on filmic space.

Sixth-year terminal project mentor, The University of Nebraska at Lincoln

Caleb Bulland – Kansas City Downtown Galleria (2004-2005)

Ryan Watson – Chicago Water Taxi Terminal (2004-2005)

invited critic Kansas State University – Manhattan, KS

Graduate Super Jury (Spring 2013)
Drury University - Hammons School of Architecture

Professor Shannon Criss's Fourth-Year Studio review (Spring 2013)
University of Kansas - Project: New Orleans Culinary Incubator

Professor Shannon Criss's Fourth-Year Studio review (Spring 2012)
University of Kansas - Project: New Orleans Center for Documentary Studies

Professor Shannon Criss's Fourth-Year Studio review (Spring 2011)
University of Kansas - Project: New Orleans Center for Film Studies

Professor Martin DeSpang's Fifth-Year Studio review (Spring 2010)
University of Nebraska - Project: Albion, NE Rethink

Final Thesis review critic-University of Tennessee Knoxville (Spring 2009)
College of Architecture and Design - Knoxville, TN

Professor Martin DeSpang's Fifth-Year Studio review (Spring 2009)
University of Nebraska - Project: Stuff-ed - Reconsidering the city and materiality

Professor Martin DeSpang's Fifth-Year Studio final review (Spring 2008)
University of Nebraska - Project: Rethinking the Motel

The University of Nebraska at Lincoln – Lincoln, NE

Professor Bob Condia's Second-Year Studio final review (Spring 2004)
Kansas State University - Project: Manhattan Library

Hyde Chair Julian Bonder's Hyde Studio mid and final reviews (Fall 2003)
University of Nebraska - Project: World Trade Center Competition

Professor Wendy Ornelas's Third-Year Studio final review (Spring 2003)
Kansas State University - Project: Salina Fire Station

Professor Raymond Streeter's Third-Year Studio final review (Fall 2002)
Kansas State University - Project: Manhattan Library

invited panelist AIA Kansas City Technology Panel (2013)

Impact of Current Architectural Technology - A 90-minute panel discussion focused on how technology does (or does not) impact the practice of architecture.

AIA Kansas Conference Technology Panel (2013)
Technology in Architecture - This session looked at the technology trends in architectural practice and architectural education.

invited guest lectures Kansas State University – Manhattan, KS

Professor John Eck, Introduction to Interior Architecture program. UMKC Design Camp (2017-present)

Professor John Eck, Introduction to Industrial Design program. UMKC Design Camp (2019-present)

Professor Katrina Lewis, ENVD 203 Survey of Design Profession class on Interior Architecture. (2017-present)

Professor Katrina Lewis, ENVD 203 Survey of Design Profession class on Industrial Design. (2019-present)

Professor Judy Gordon, Modes of Praxis class (2015-2016)
Introduced students into the world of digital fabrication and parametric modeling techniques.

Professor Lynn Ewanow, ENVD 203 Survey of Design Profession class on Architecture (2015-2016)

Professor John Eck, Design Discovery course at UMKC (2014)
Introduced high school students into Architecture Technology.

Professor Dereatha Cross, LAR/PLAN 560 Technical Module VI, Parametric Design Software (2014)
Introduced students to parametric software in both a hands-on version as well as a hands-off section showing them the most sophisticated use of the software.

Professor Dereatha Cross, LAR/PLAN 560 Technical Module VI, Parametric Design Software (2013)
Introduced students to parametric software in both a hands-on version as well as a hands-off section showing them the most sophisticated use of the software.

Professor Richard Hoag, ARCH 606, Prefab Design Paradigm (2011)
Lectured on the history of prefabrication and the various techniques being deployed in architecture's latest era of prefabricated homes.

Professor Don Watts, ARCH 710 Geometry in Architecture, Iso-Vision (2006)
Lectured on Iso-Vision (an automated Isovist program I created) in analyzing space fields.

The University of Nebraska at Lincoln – Lincoln, NE

Dean Wayne Drummond, Professional Practice, How Architects use Technology Today (2004)
Lectured on how technology is being used in architecture today.

associations Design Communication Association (DCA), Member (May 2012-Present)

Building Technology Educators' Society (BTES), Member (September 2012-2016)

program expertise Revit, Rhinoceros, Grasshopper, AutoCAD, 3DS MAX, SketchUp, Revit Architecture 2022, Adobe Photoshop CC, Adobe Illustrator CC, Adobe InDesign CC, Visual Basics, Javascript, Flash, Dream Weaver, Premiere.

programming languages Python, Visual Basics, RhinoScript, AutoLisp, ActionScript, Html.